

Table 1 – D-1641 Water Quality Objectives for Fish and Wildlife Beneficial Uses

Compliance Location	Description	Objective Value (mmhos/cm EC) and TimePeriod	Year Types	Notes	DSM2 Results Figure Numbers
San Joaquin River at and between Jersey Point and Prisoners Point	Maximum 14-day running average of mean daily EC (mmhos/cm)	0.44 in April-May	All year types except critical	The objective also does not apply in May when the Sacramento River Index estimate is less than 8.1 MAF at 90% exceedance level. Comparisons of modeling results to the objective do not include this exception to meeting the 0.44 mmhos/cm EC objective.	Figures C6-C8
Sacramento River at Collinsville, Montezuma Slough at National Steel, Montezuma Slough near Beldon's Landing	Maximum monthly average of both daily high tide EC values (mmhos/cm)	19.0 in Oct 15.5 in Nov-Dec 12.5 in Jan 8.0 in Feb- Mar 11.0 in Apr-May	All year types		Figures C1-C3
Chadbourne Slough at Sunrise Duck Club, Suisun Slough, 300 feet South of Volanti Slough	Maximum monthly average of both daily high tide EC values (mmhos/cm)	19.0 in Oct 16.5 in Nov 15.5 in Dec 12.5 in Jan 8.0 in Feb-Mar 11.0 in Apr-May	All year types except for deficiency period		Figures C4-C5
	Maximum monthly average of both daily high tide EC values (mmhos/cm)	19.0 in Oct 16.5 in Nov 15.6 in Dec-Mar 14.0 in Apr 12.5 in May	Deficiency period	Deficiency period allows for higher EC value objectives.	

Figure L1: D-1641 Suisun Marsh Water Quality Objective Locations for Fish and Wildlife Beneficial Uses

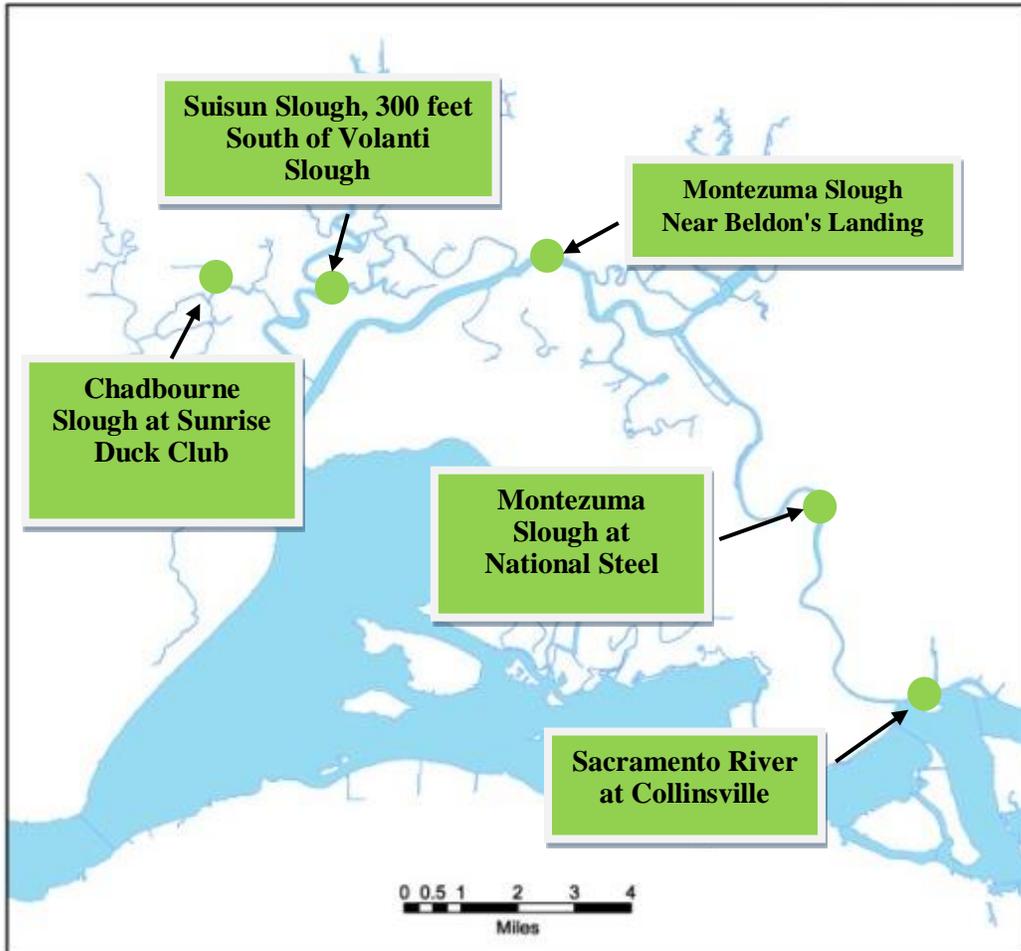
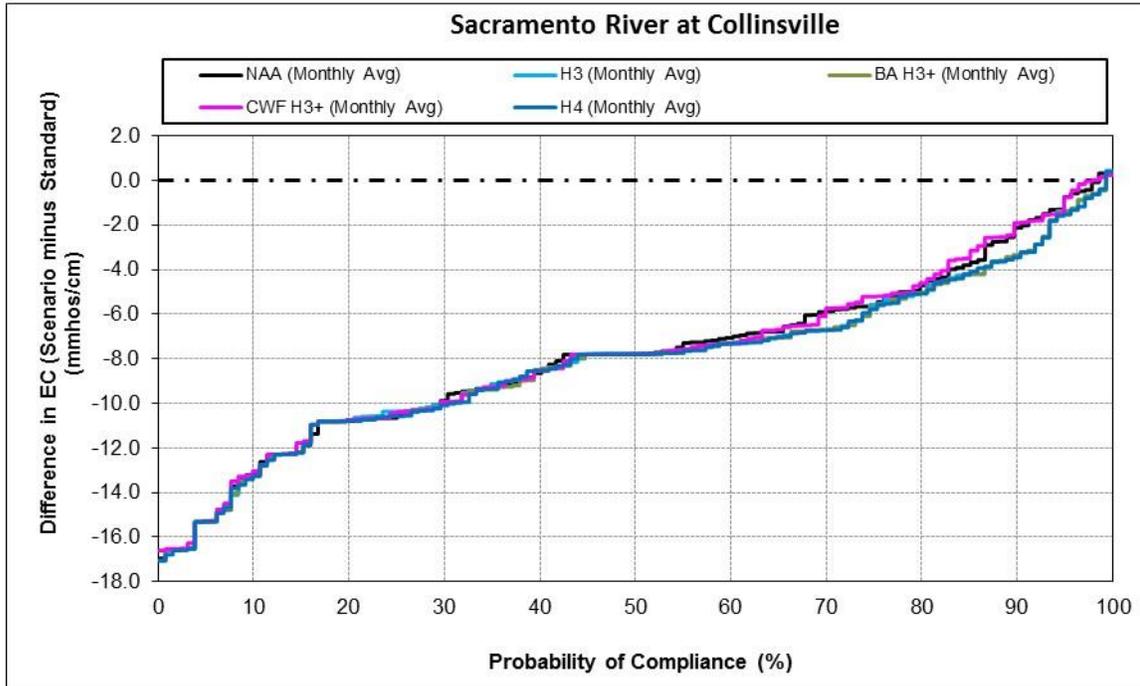
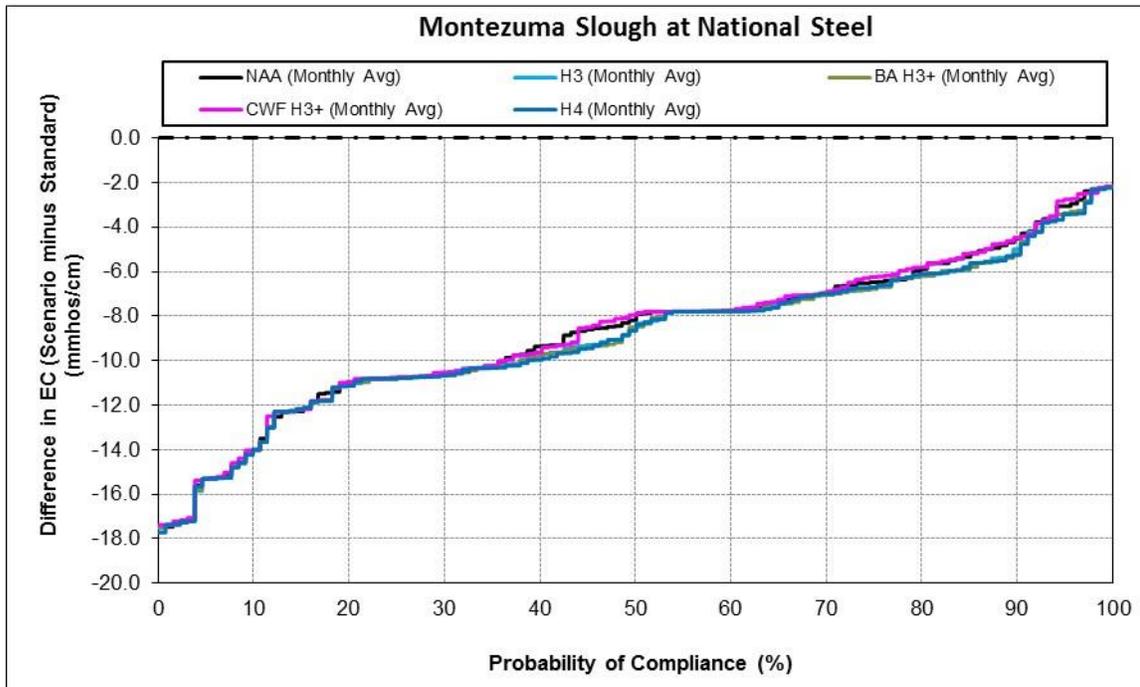


Figure C1: D-1641 Fish and Wildlife EC Objectives at Collinsville – Probability of meeting D-1641



**Model results are used for comparative purposes and not for predictive purposes*

Figure C2: D-1641 Fish and Wildlife EC Objectives at Montezuma Slough at National Steel – Probability of meeting D-1641



**Model results are used for comparative purposes and not for predictive purposes*

Figure C3: D-1641 Fish and Wildlife EC Objectives at Montezuma Slough near Beldon's Landing – Probability of meeting D-1641

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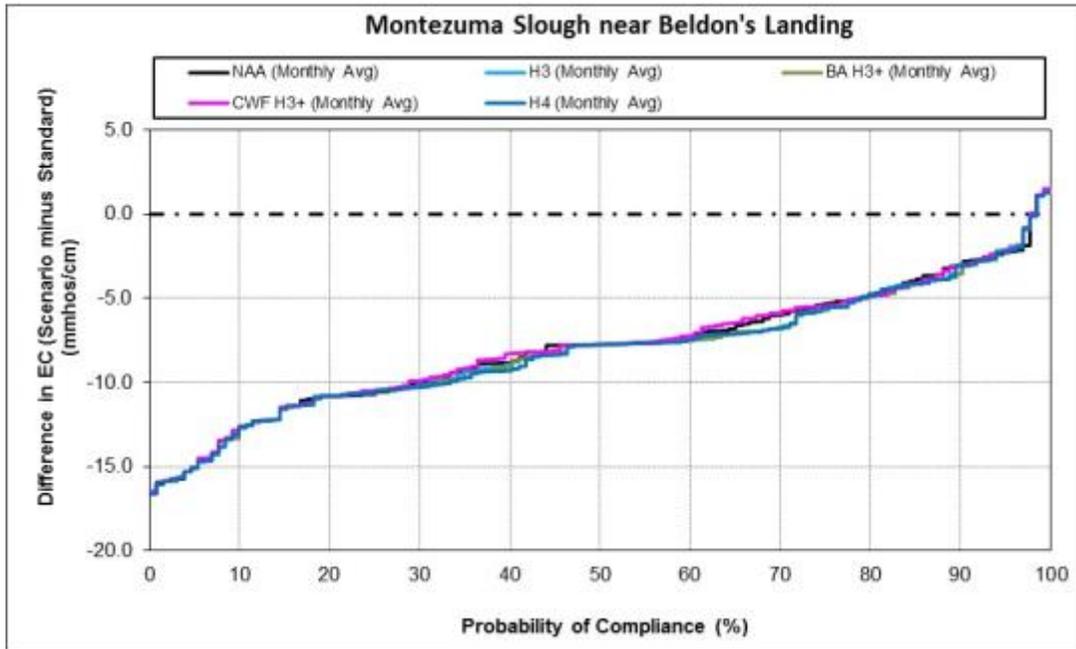
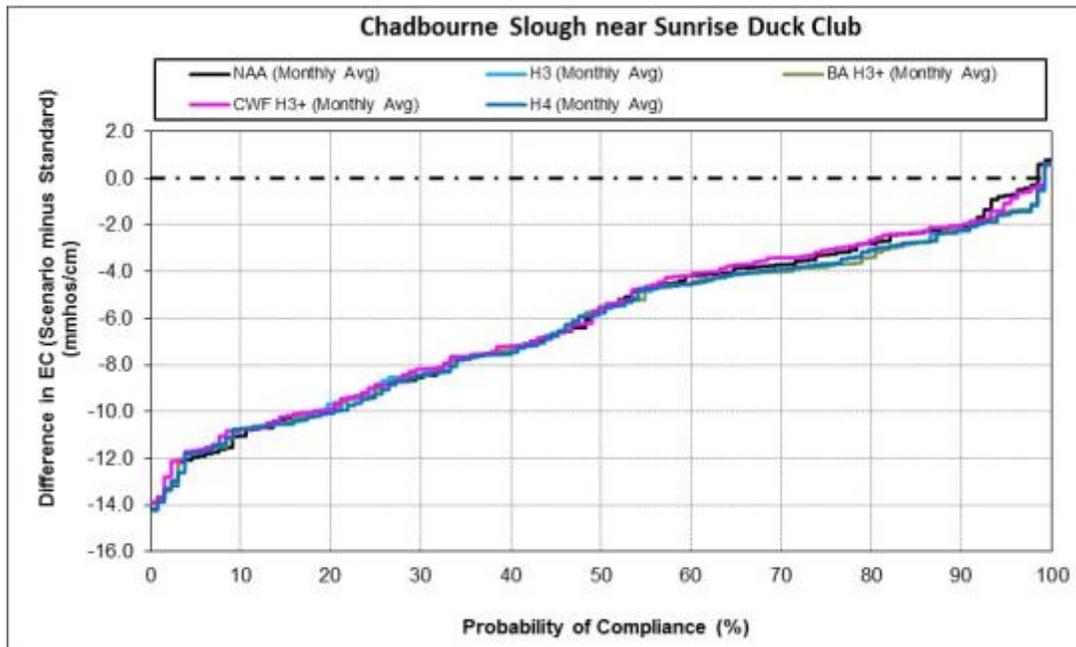
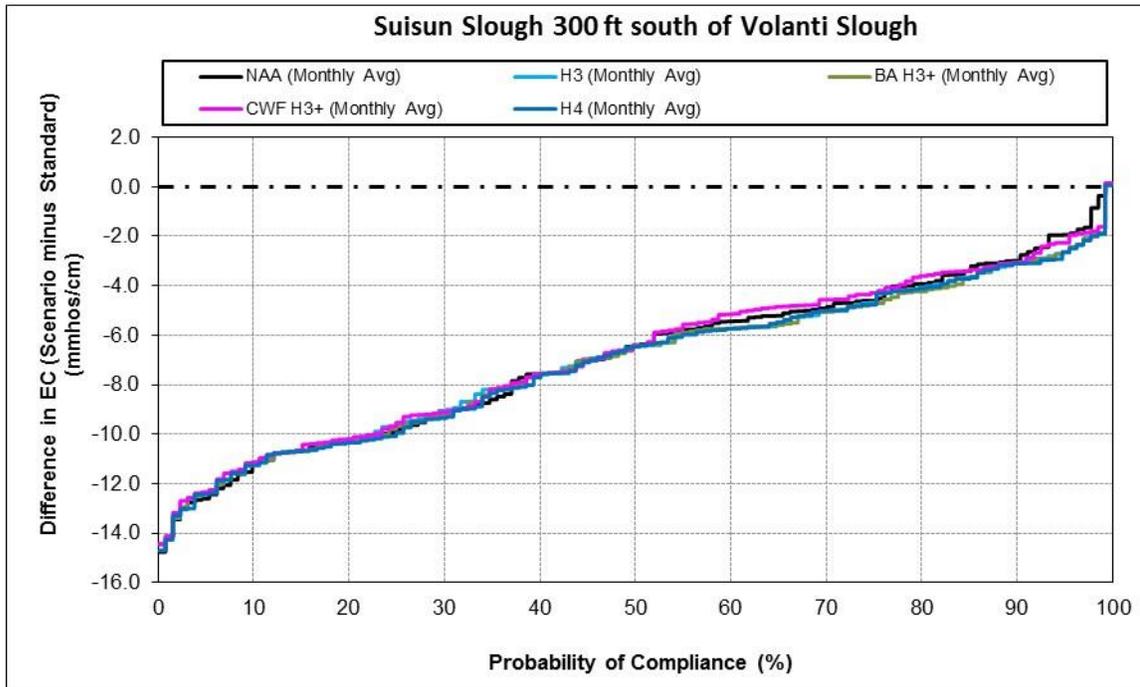


Figure C4: D-1641 Fish and Wildlife EC Objectives at Chadbourne Slough near Sunrise Duck Club – Probability of meeting D-1641



**Model results are used for comparative purposes and not for predictive purposes*

Figure C5: D-1641 Fish and Wildlife EC Objectives at Suisun Slough 300 feet south of Volanti Slough – Probability of meeting D-1641



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Figure L2: Location of the segment of the San Joaquin River between Jersey Point and Prisoners Point – D-1641 Water Quality Objectives for Fish and Wildlife Beneficial Uses

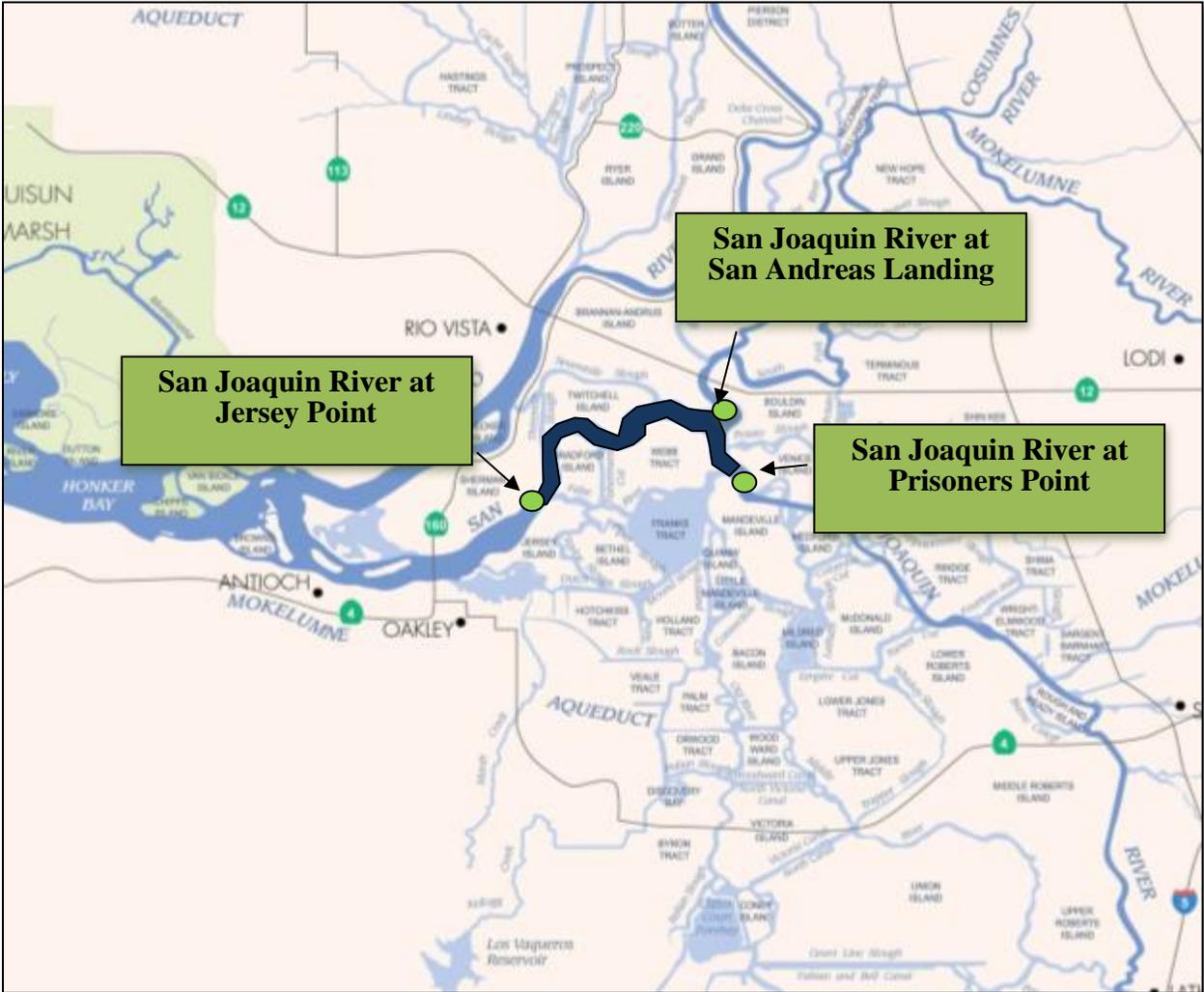
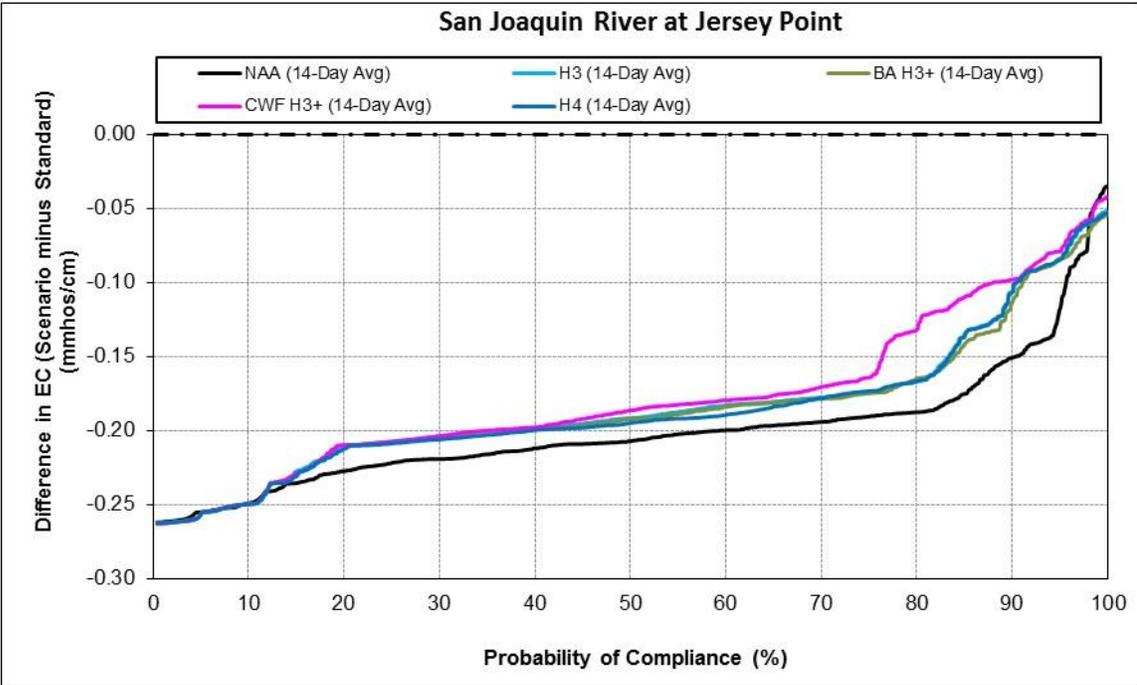
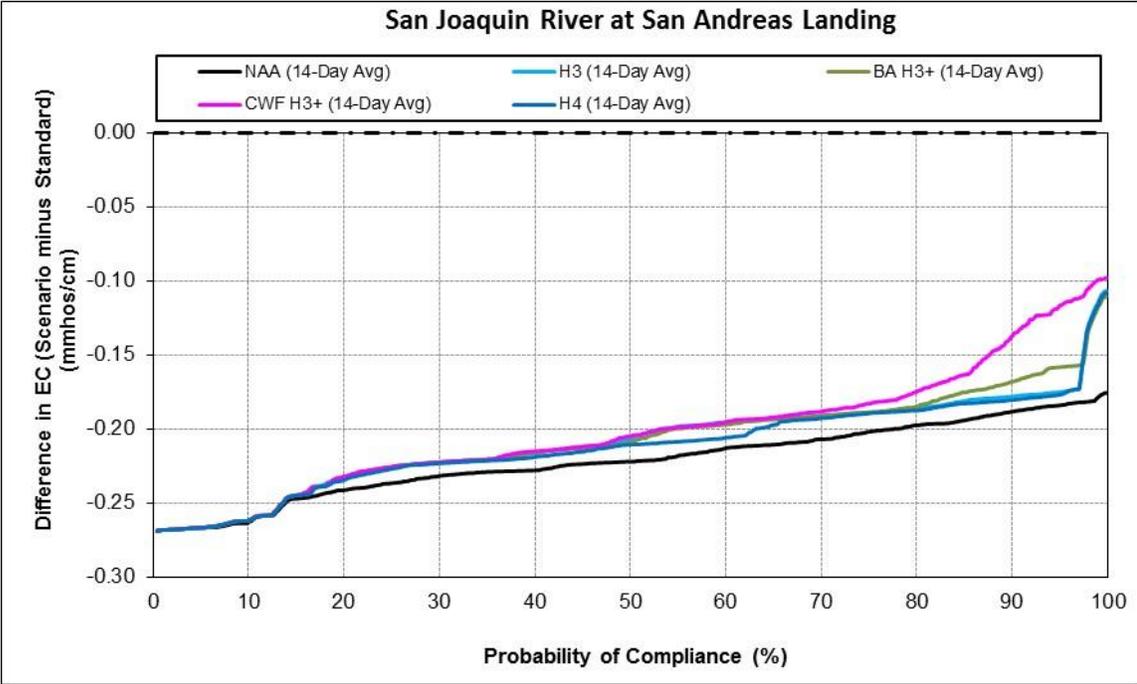


Figure C6: D-1641 Fish and Wildlife EC Objective at Jersey Point – Probability of meeting D-1641

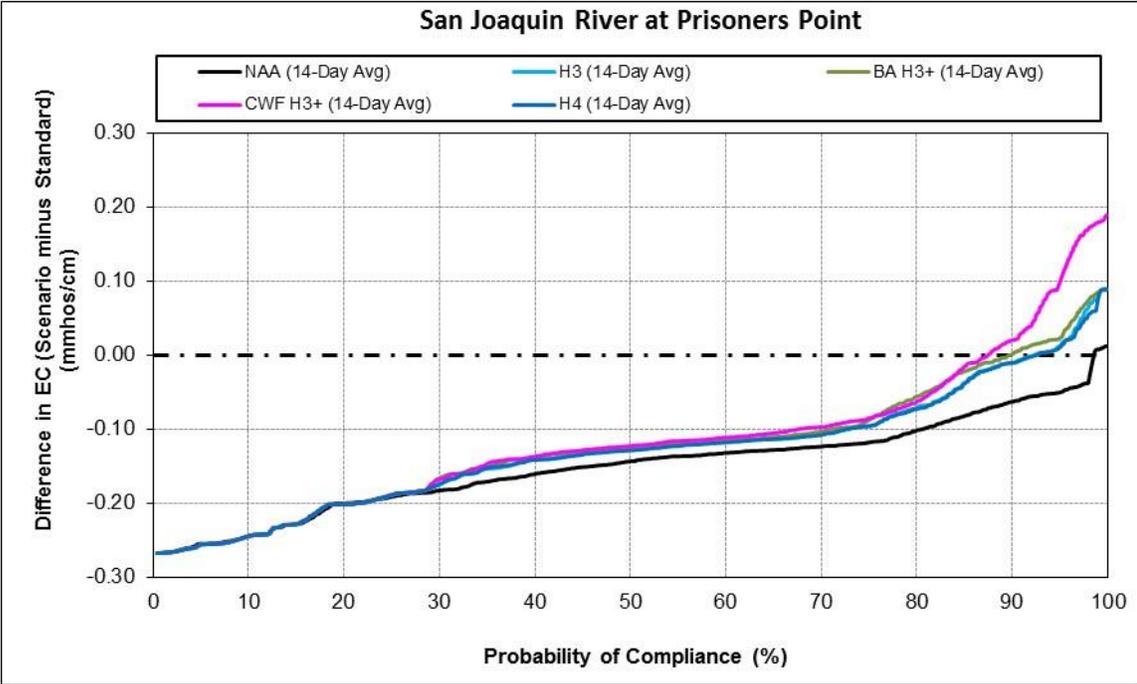


**Model results are used for comparative purposes and not for predictive purposes*
Figure C7: D-1641 Fish and Wildlife EC Objective at San Andreas Landing – Probability of meeting D-1641



**Model results are used for comparative purposes and not for predictive purposes*

Figure C8: D-1641 Fish and Wildlife EC Objective at the San Joaquin River at Prisoners Point – Probability of meeting D-1641



**Model results are used for comparative purposes and not for predictive purposes*

Figure L3: Locations of M&I and Agricultural Water Quality Results

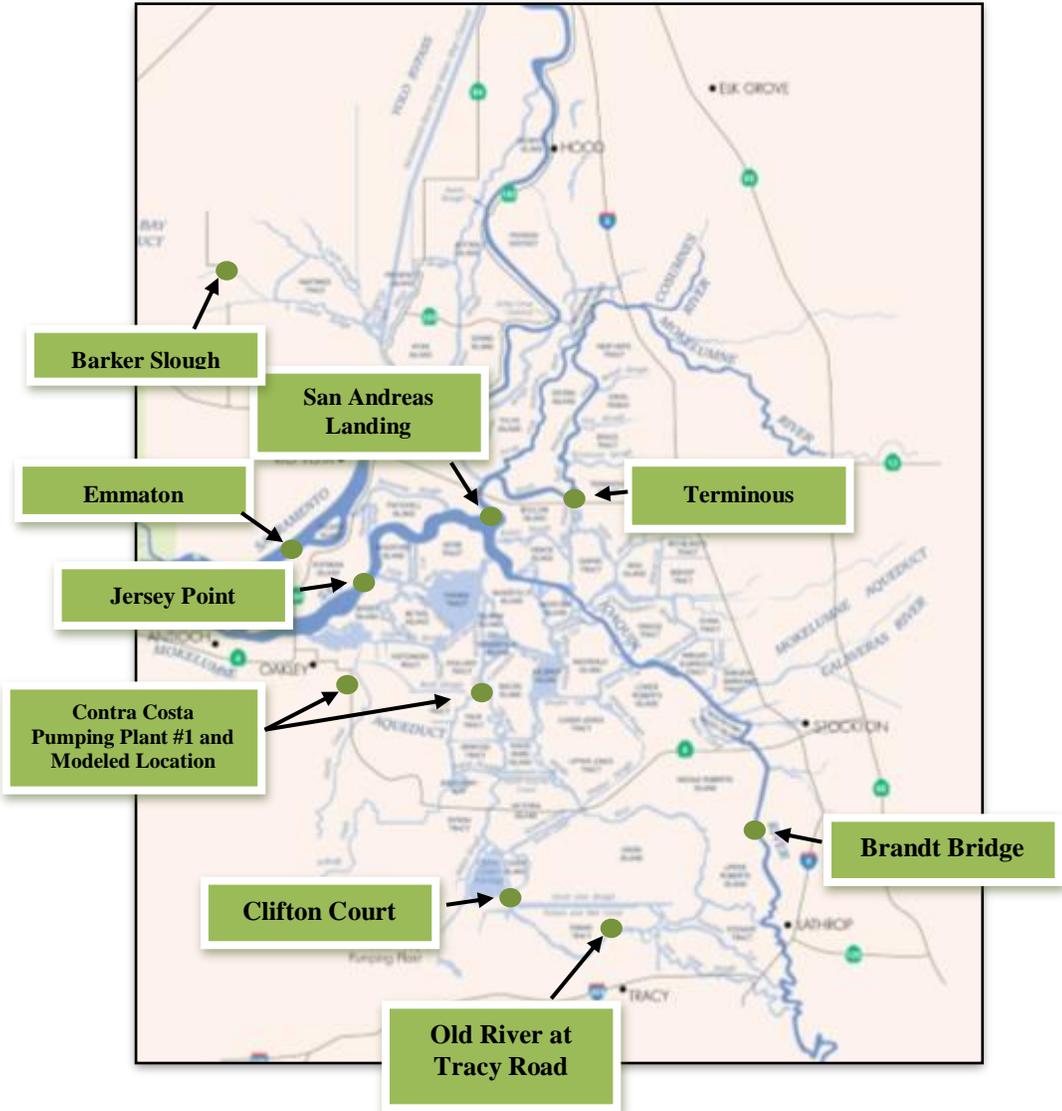
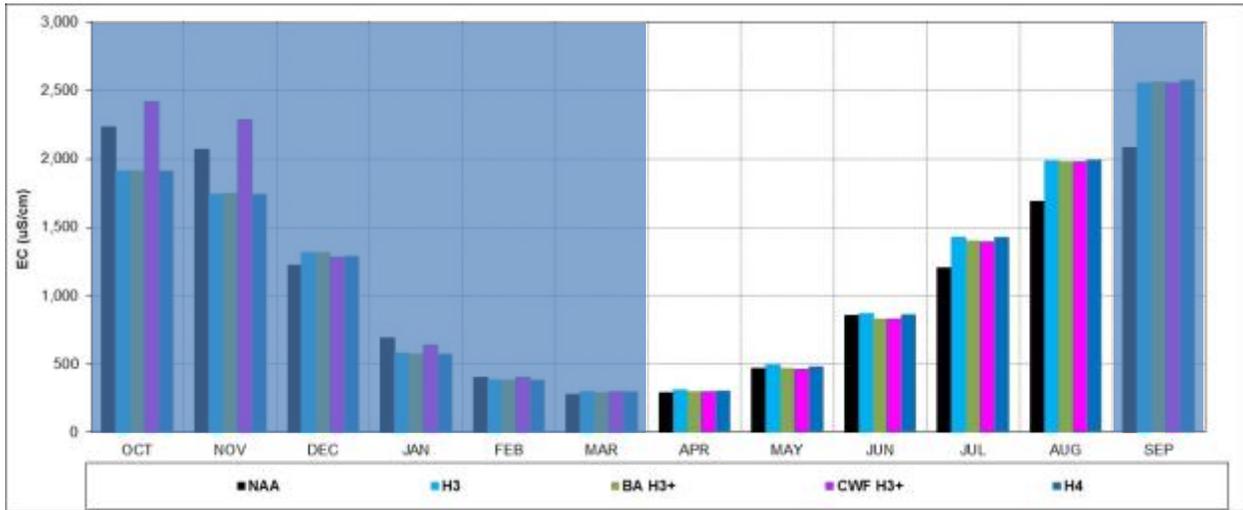
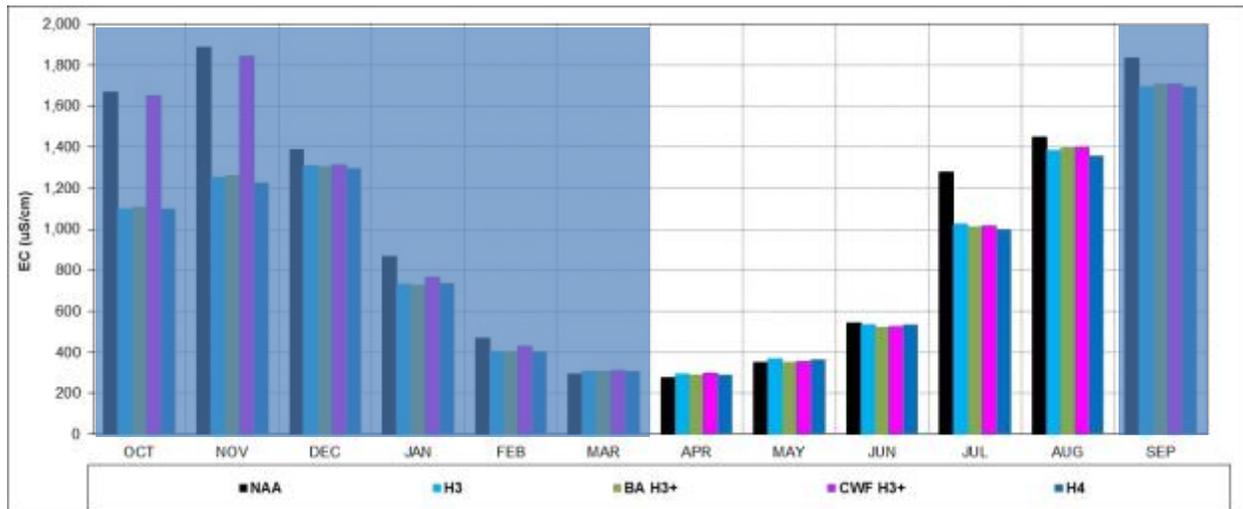


Figure EC1: Monthly Average EC at Emmaton



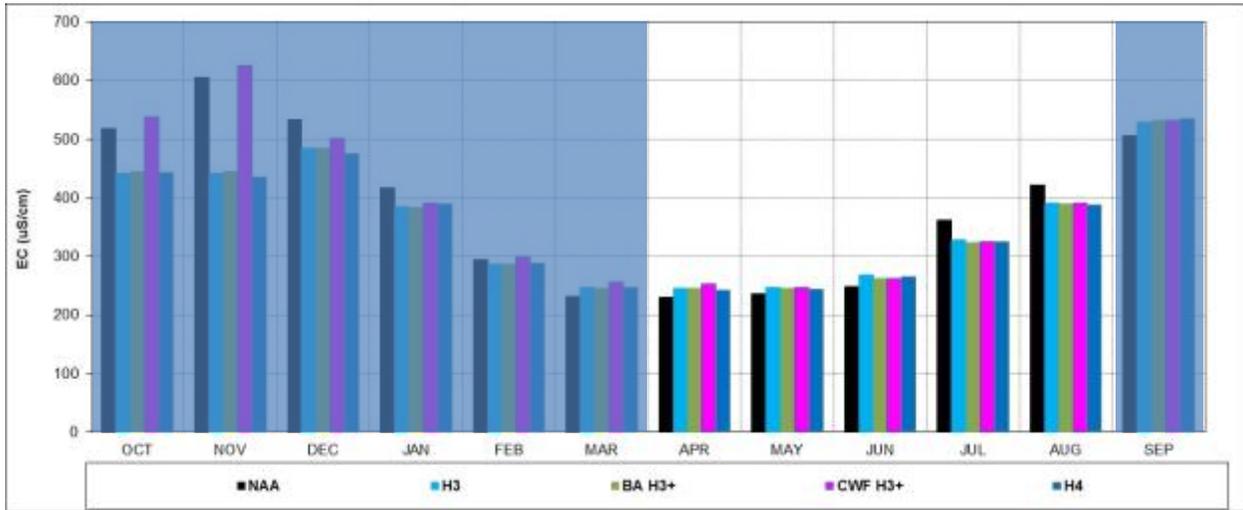
**Model results are used for comparative purposes and not for predictive purposes*

Figure EC2: Monthly Average EC at Jersey Point



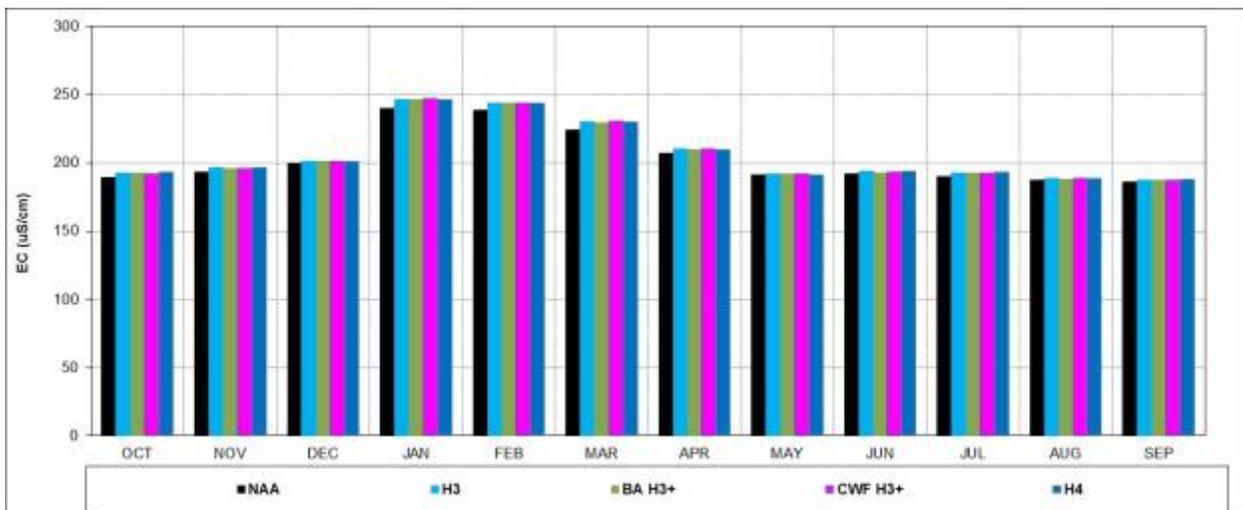
**Model results are used for comparative purposes and not for predictive purposes*

Figure EC3: Monthly Average EC at San Andreas Landing



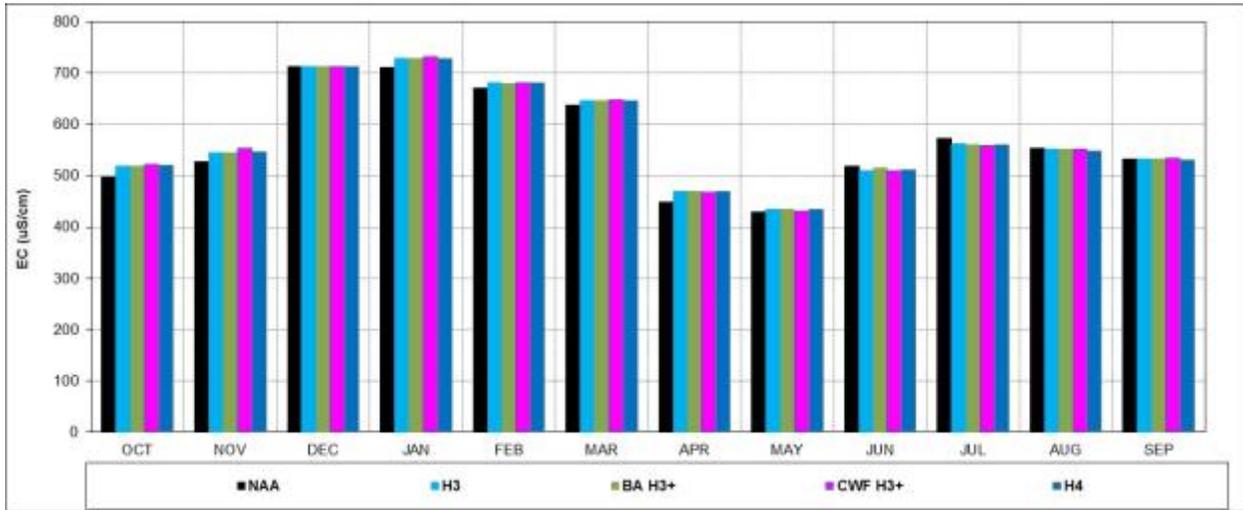
**Model results are used for comparative purposes and not for predictive purposes*

Figure EC4: Monthly Average EC at South Fork Mokelumne River at Terminous



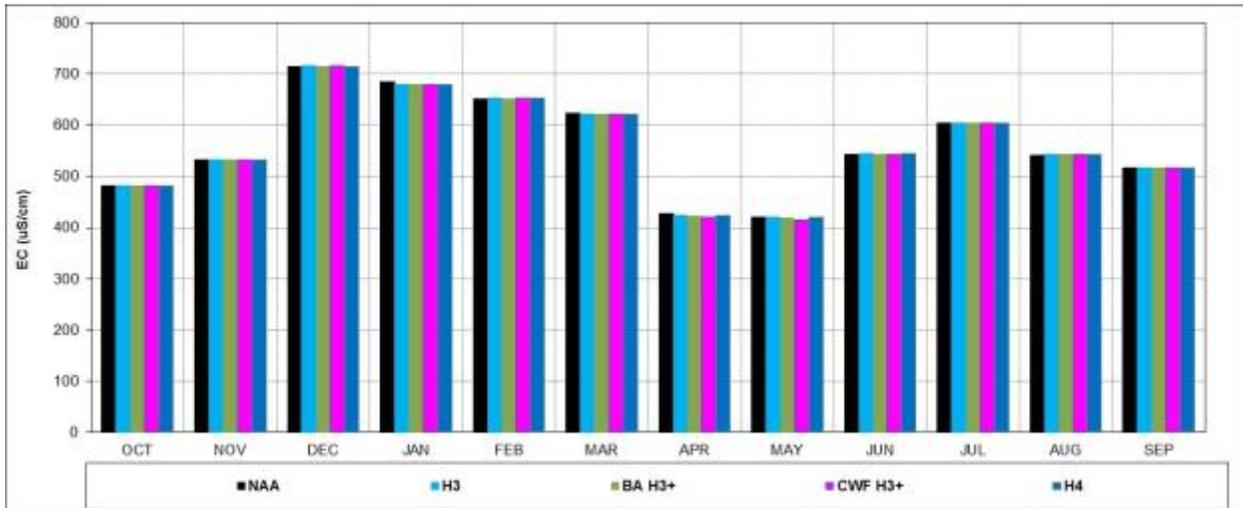
**Model results are used for comparative purposes and not for predictive purposes*

Figure EC5: Monthly Average EC at Old River at Tracy Road



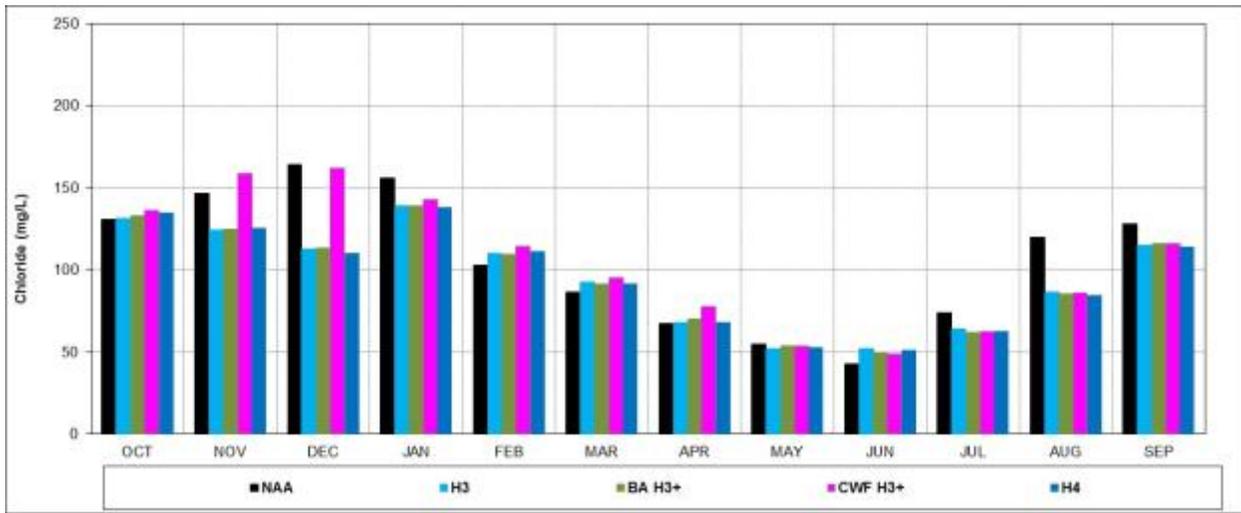
**Model results are used for comparative purposes and not for predictive purposes*

Figure EC6: Monthly Average EC at San Joaquin River at Brandt Bridge



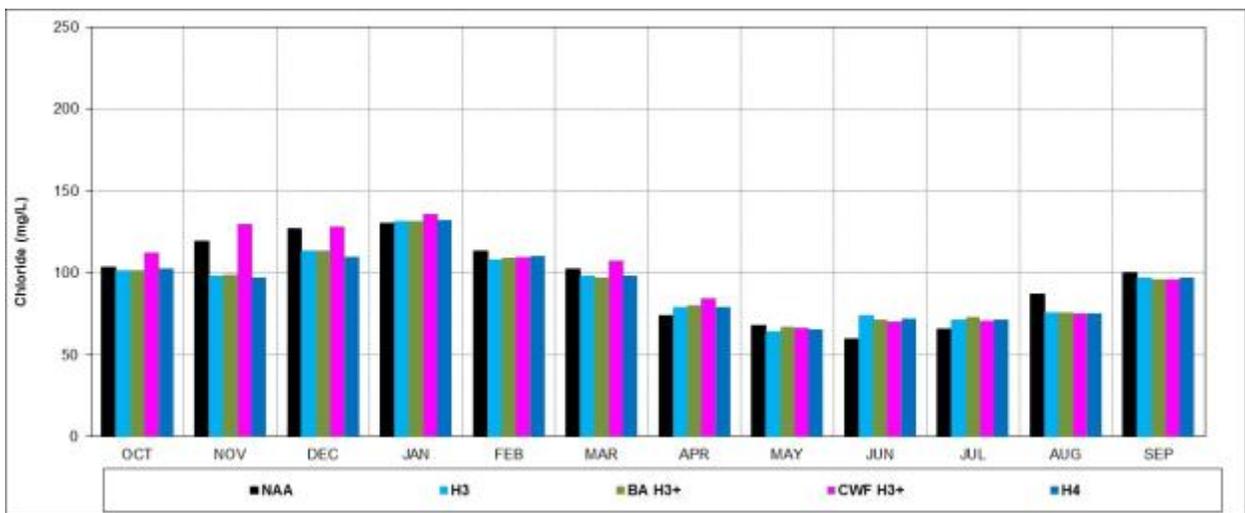
**Model results are used for comparative purposes and not for predictive purposes*

Figure CL1: Monthly Average Chloride Concentration at Contra Costa Canal



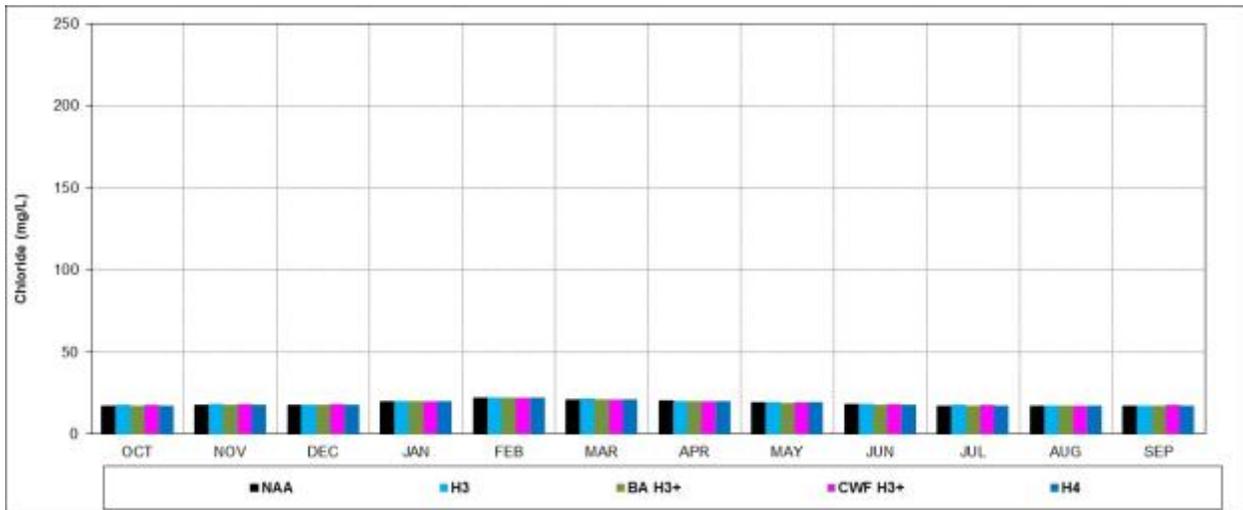
**Model results are used for comparative purposes and not for predictive purposes*

Figure CL2: Monthly Average Chloride Concentration at Old River at Clifton Court.



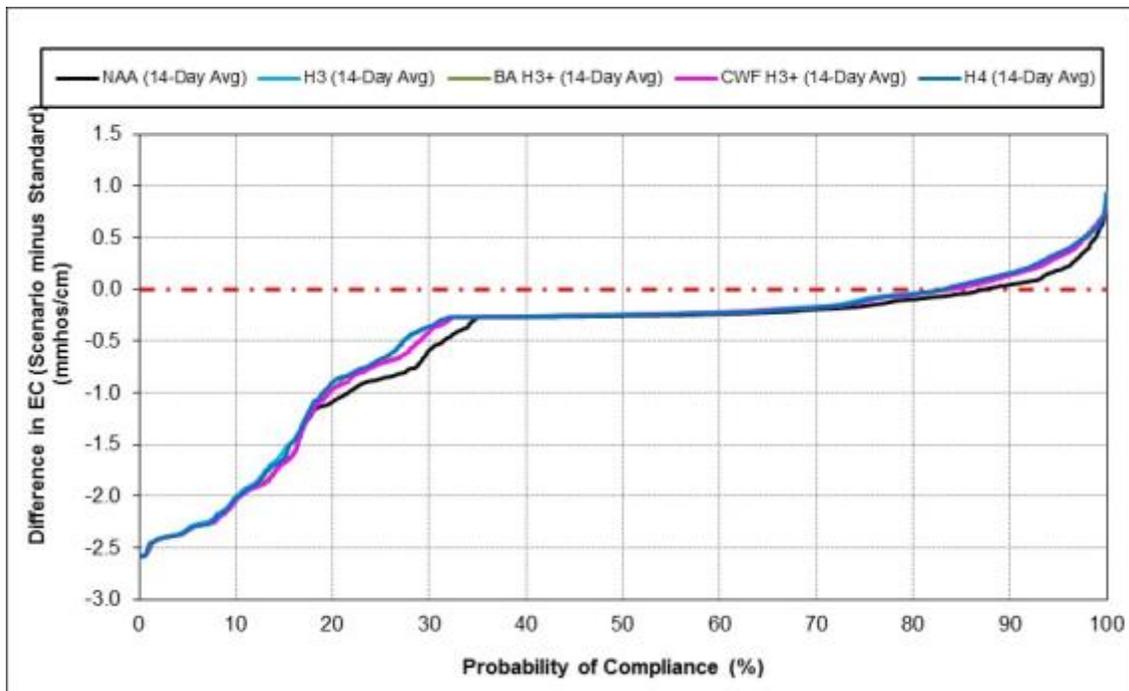
**Model results are used for comparative purposes and not for predictive purposes*

Figure CL3: Monthly Average Chloride Concentration at Barker Slough



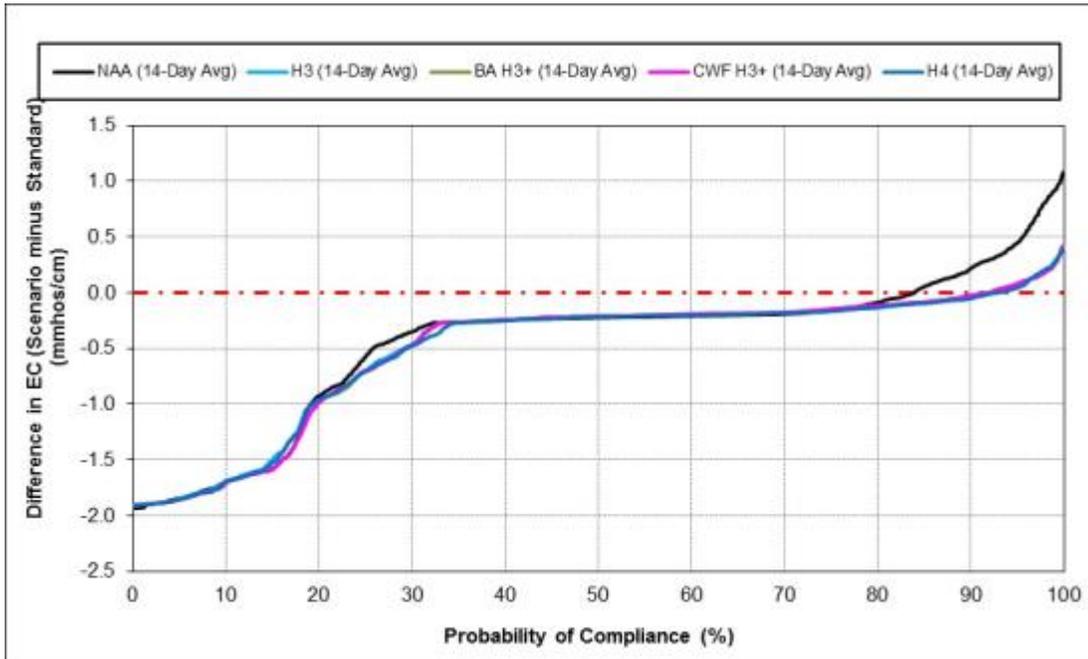
**Model results are used for comparative purposes and not for predictive purposes*

Figure C9: D-1641 Agricultural EC Objective at Emmaton –Probability of Meeting D-1641



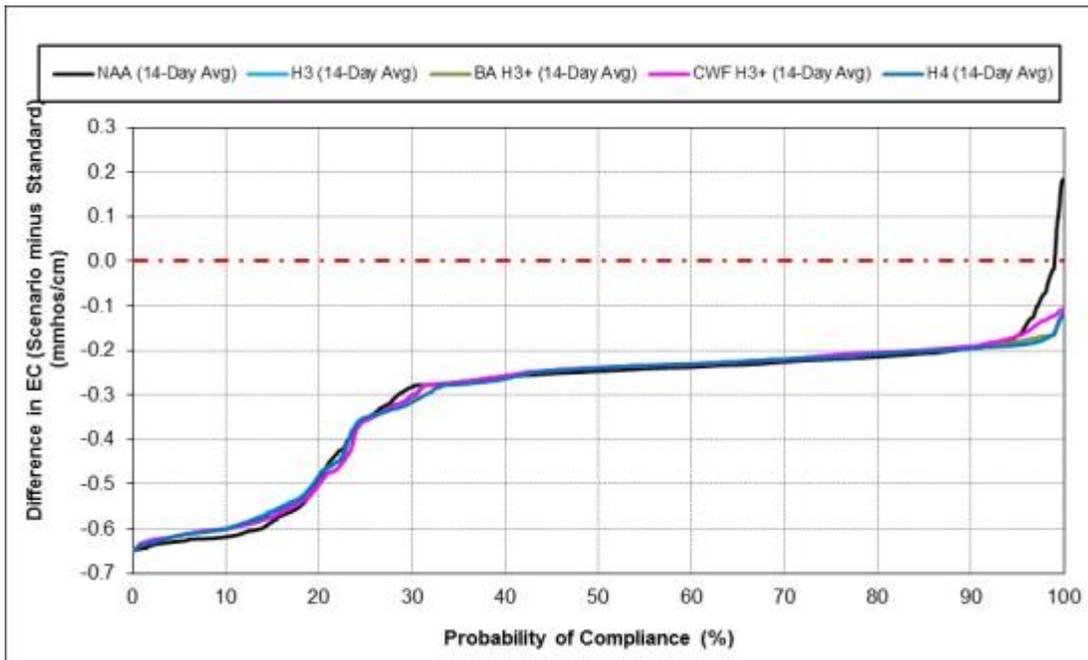
**Model results are used for comparative purposes and not for predictive purposes*

Figure C10: D-1641 Agricultural EC Objective at Jersey Point –Probability of Meeting D-1641



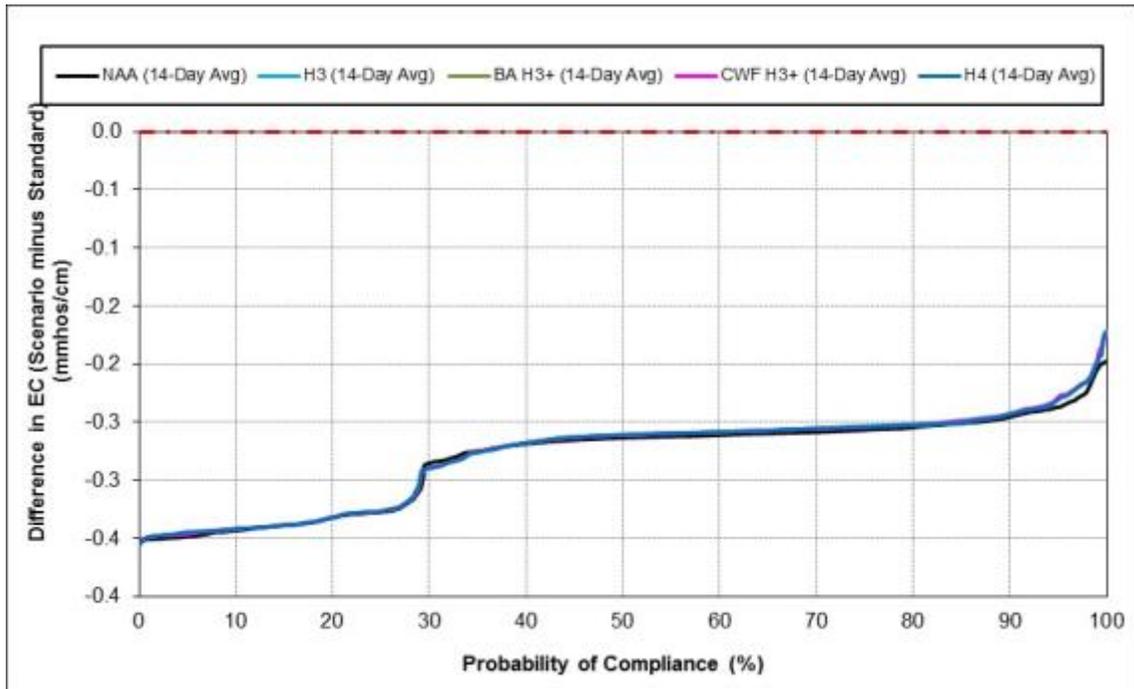
**Model results are used for comparative purposes and not for predictive purposes*

Figure C11: D-1641 Agricultural EC Objective at San Andreas Landing – Probability of Meeting D-1641



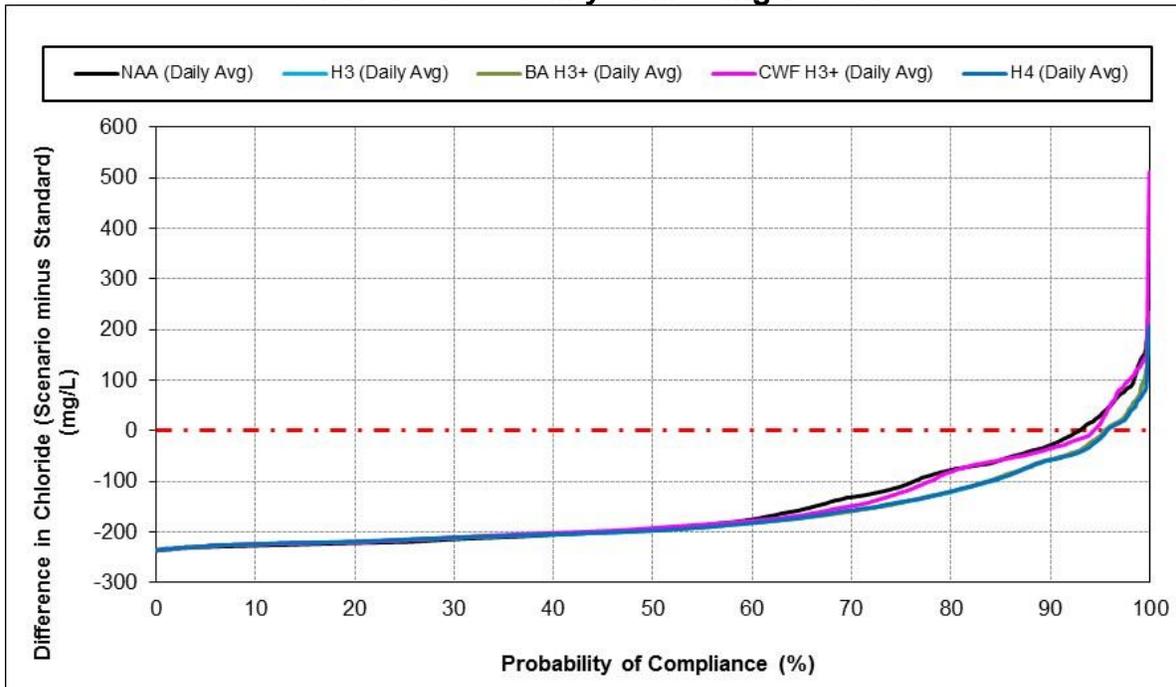
**Model results are used for comparative purposes and not for predictive purpose*

Figure C12: D-1641 Agricultural EC Objective at South Fork Mokelumne River at Terminous – Probability of Meeting D-1641



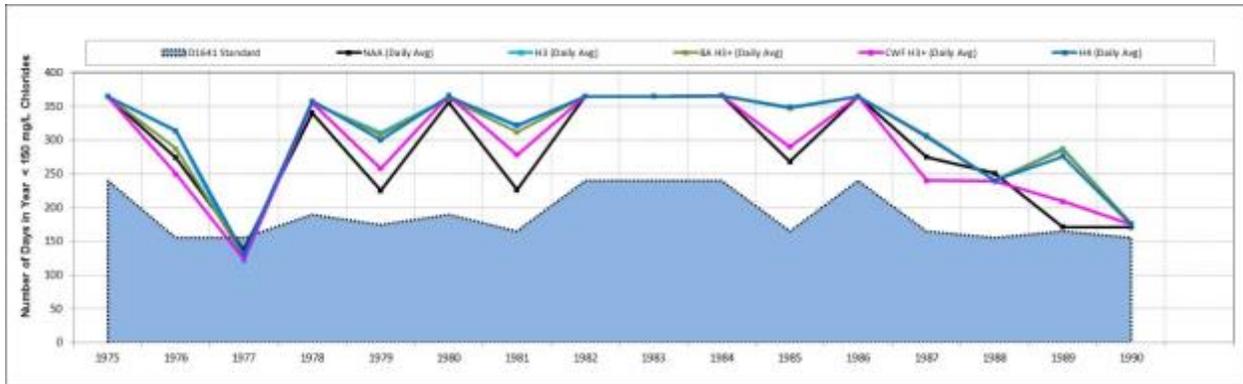
**Model results are used for comparative purposes and not for predictive purposes*

Figure C13: D-1641 250 mg/L Chloride Objective at Contra Costa Canal Pumping Plant 1 – Probability of Meeting D-1641



**Model results are used for comparative purposes and not for predictive purposes*

Figure C14: D-1641 Number of Days in a Year Meeting the Mean Daily Concentration 150 mg/L Chloride Objective at Contra Costa Canal Pumping Plant 1



**Model results are used for comparative purposes and not for predictive purposes*

Figure L4: Locations of Water Level Results

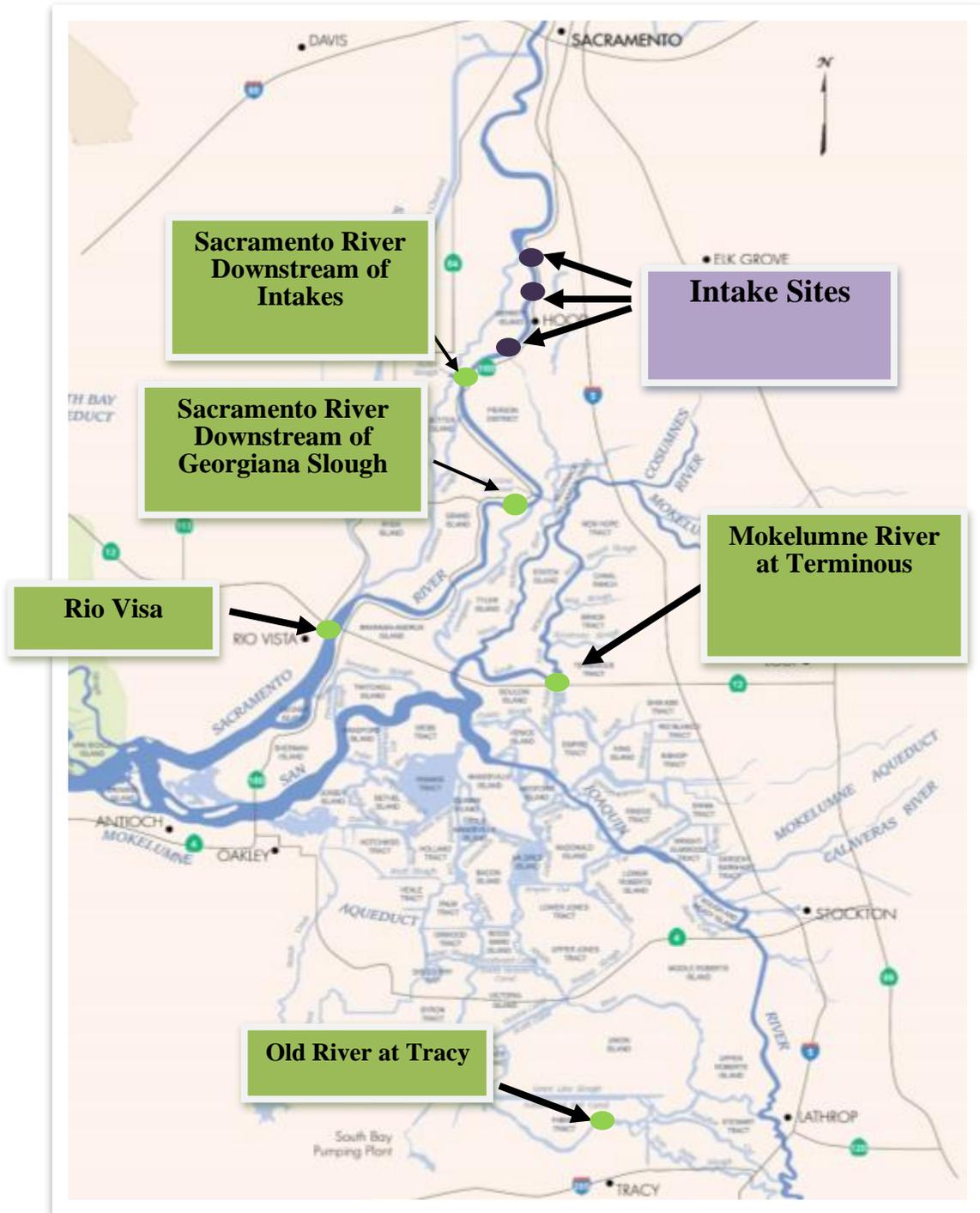
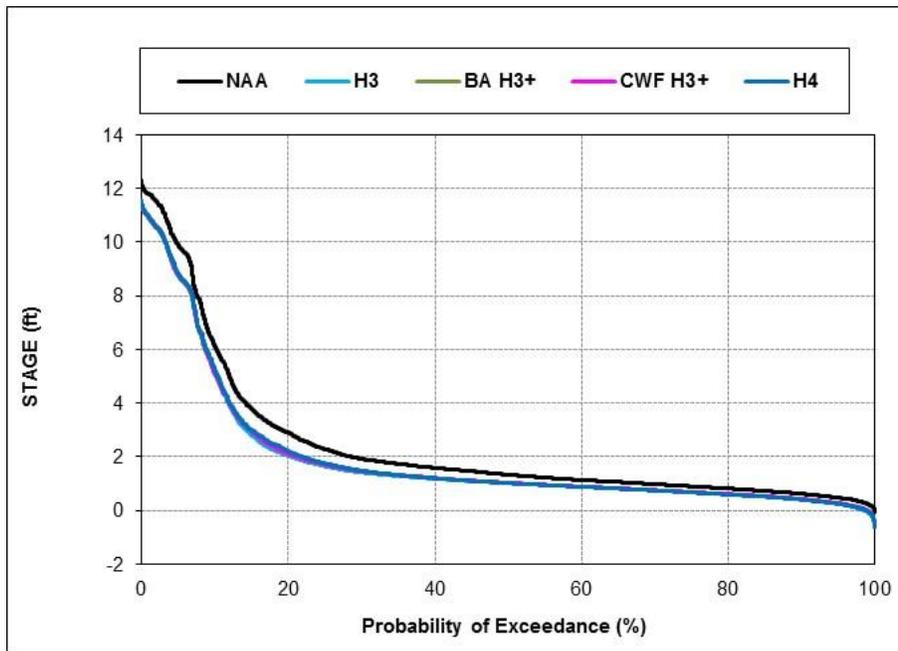
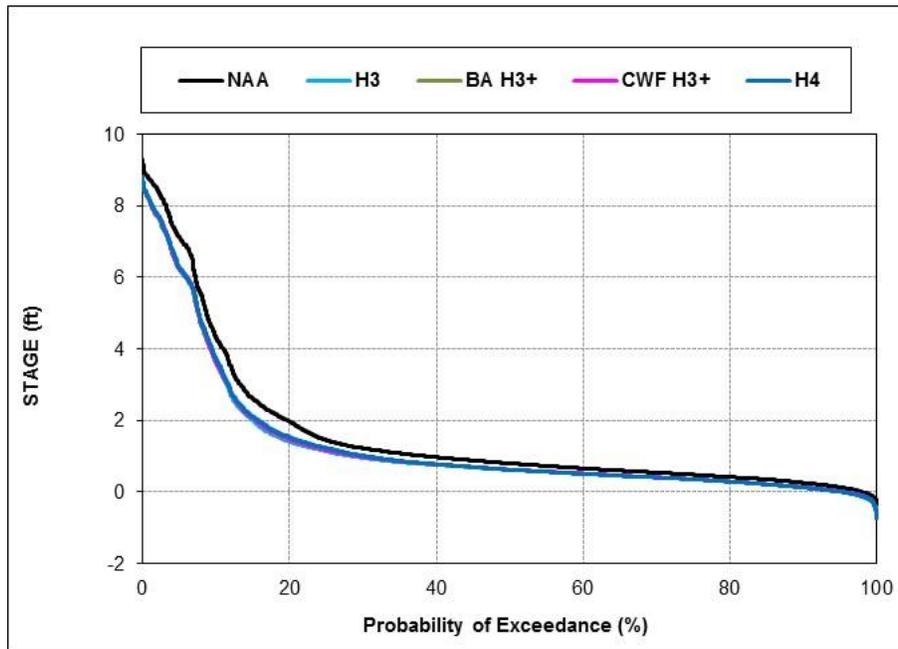


Figure W1: Probability of Exceedance for Daily Minimum Stage at Sacramento River Downstream from the Three Proposed Intakes.



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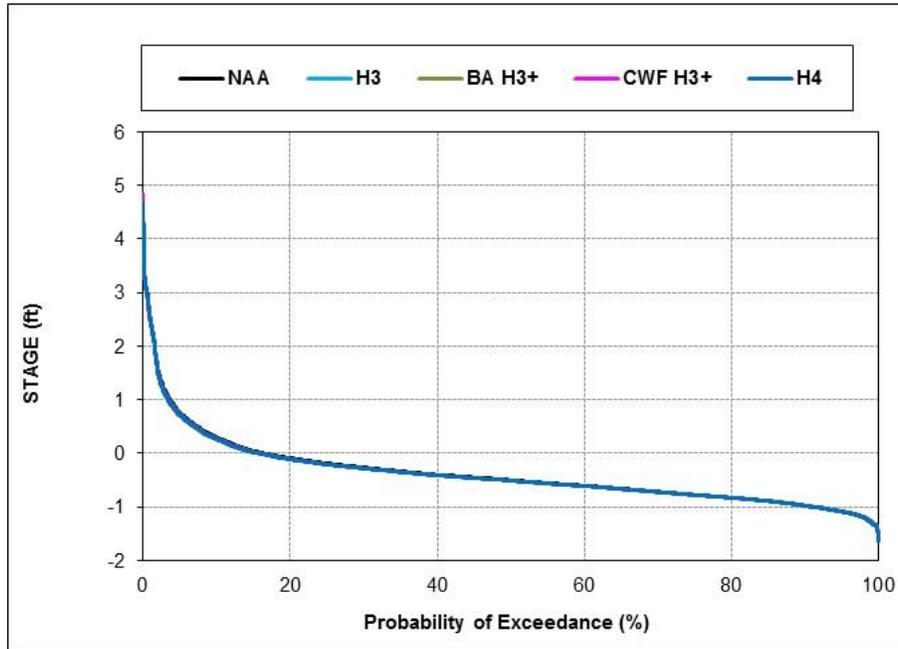
Figure W2: Probability of Exceedance for Daily Minimum Stage at Sacramento River Downstream of Georgiana Slough



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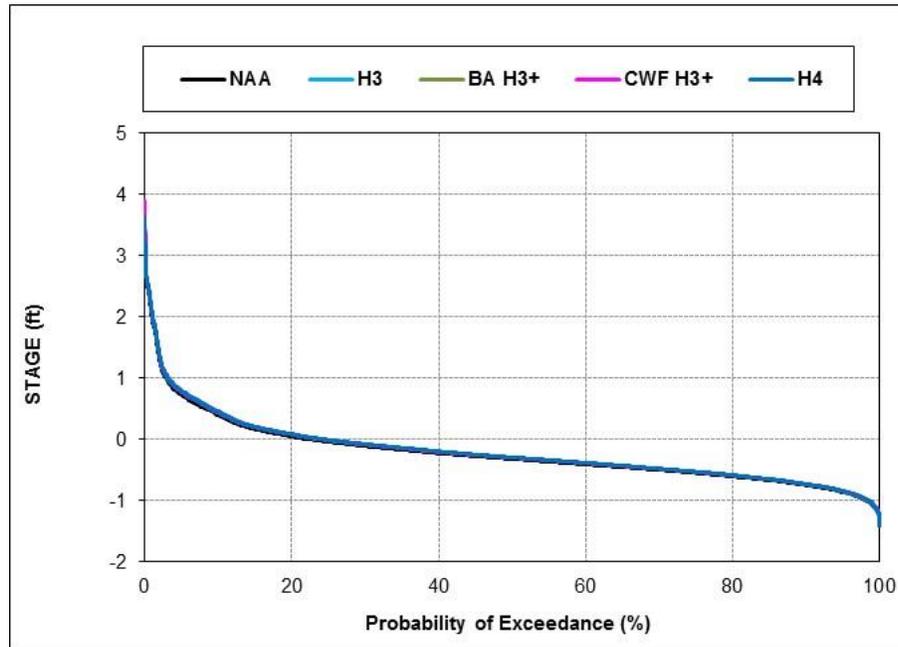
Figure W3: Probability of Exceedance for Daily Minimum Stage at Sacramento

River at Rio Vista



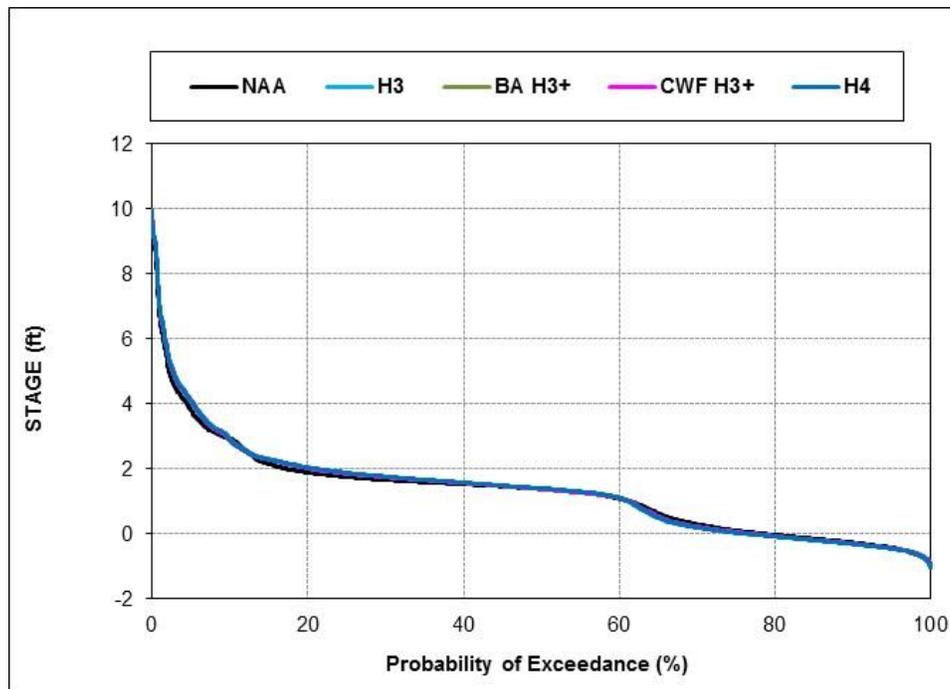
**Model results are used for comparative purposes and not for predictive purposes*

Figure W4: Probability of Exceedance for Daily Minimum Stage at Mokelumne River at Terminous



**Model results are used for comparative purposes and not for predictive purposes*

Figure W5: Probability of Exceedance for Daily Minimum Stage at Old River at Tracy Road



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